

APPARATUS, SYSTEM AND METHOD FOR CAPTURING SOUND
ABSTRACT OF THE INVENTION

A sound capture device efficiently and accurately converts sound pressure waves forming a sound signal into an electrical signal. Power signals are received on a supply conductor while electrical signals are transmitted through a signal conductor. A multiple stage amplifier is co-located with the transducer and amplifies the electrical signal prior to transmission through a transmission interface housing the signal conductor. Multiple transducers can be used at a separation distance in accordance with sound travel around a human head to increase phase information of the captured sound.

Variable	Mean	SD	Minimum	Maximum
Age	30.5	4.2	22	45
Gender	Male			
Gender	Female			
Marital status	Married			
Marital status	Single			
Education	High school			
Education	College			
Education	Postgraduate			
Occupation	Manager			
Occupation	Engineer			
Occupation	Teacher			
Occupation	Other			
Income	Low			
Income	Medium			
Income	High			
Health status	Good			
Health status	Fair			
Health status	Poor			
Smoking status	Smoker			
Smoking status	Non-smoker			
Alcohol consumption	Regular			
Alcohol consumption	Occasional			
Alcohol consumption	Never			
Exercise frequency	Regular			
Exercise frequency	Occasional			
Exercise frequency	Never			
Stress level	Low			
Stress level	Medium			
Stress level	High			
Sleep quality	Good			
Sleep quality	Fair			
Sleep quality	Poor			
Dietary habits	Healthy			
Dietary habits	Unhealthy			
Dietary habits	Mixed			
Work-life balance	Good			
Work-life balance	Fair			
Work-life balance	Poor			
Overall well-being	High			
Overall well-being	Medium			
Overall well-being	Low			